

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081222\
 Data File : BF129753.D
 Acq On : 12 Aug 2022 19:57
 Operator : CG\JU
 Sample : N4102-01 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PPE-DRUMS-0808

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2022
 Supervised By :Sohil Jodhani 08/16/2022

Quant Time: Aug 13 02:07:14 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 12 15:52:45 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	141058	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	496314	20.000	ng	# 0.00
39) Acenaphthene-d10	9.869	164	220647	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	323913	20.000	ng	0.00
76) Chrysene-d12	14.010	240	325829	20.000	ng	0.00
86) Perylene-d12	15.480	264	336991	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	80348	9.279	ng	0.00
7) Phenol-d6	6.487	99	96475	8.864	ng	0.00
23) Nitrobenzene-d5	7.392	82	55623	6.118	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	16194	7.634	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	101682	7.129	ng	0.00
79) Terphenyl-d14	12.939	244	99880	5.783	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.139	128	1647540	65.338	ng	99
37) 2-Methylnaphthalene	8.828	142	1104441	67.399	ng	99
38) 1-Methylnaphthalene	8.928	142	1040973	65.806	ng	98
46) 1,1'-Biphenyl	9.286	154	158516	9.844	ng	99
49) Acenaphthylene	9.733	152	107794	5.450	ng	# 77
52) Acenaphthene	9.910	154	1045989	80.964	ng	98
55) Dibenzofuran	10.075	168	98385	5.524	ng	# 73
58) Fluorene	10.422	166	722386	50.695	ng	99
71) Phenanthrene	11.392	178	1871744	105.859	ng	99
72) Anthracene	11.433	178	367414	21.145	ng	99
75) Fluoranthene	12.574	202	352573	19.680	ng	99
78) Pyrene	12.810	202	552118	20.264	ng	98
81) Benzo(a)anthracene	13.998	228	97736m	4.391	ng	
83) Chrysene	14.033	228	77859	3.712	ng	97
88) Benzo(b)fluoranthene	15.051	252	60146m	2.691	ng	
90) Benzo(a)pyrene	15.415	252	59522	3.280	ng	# 90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

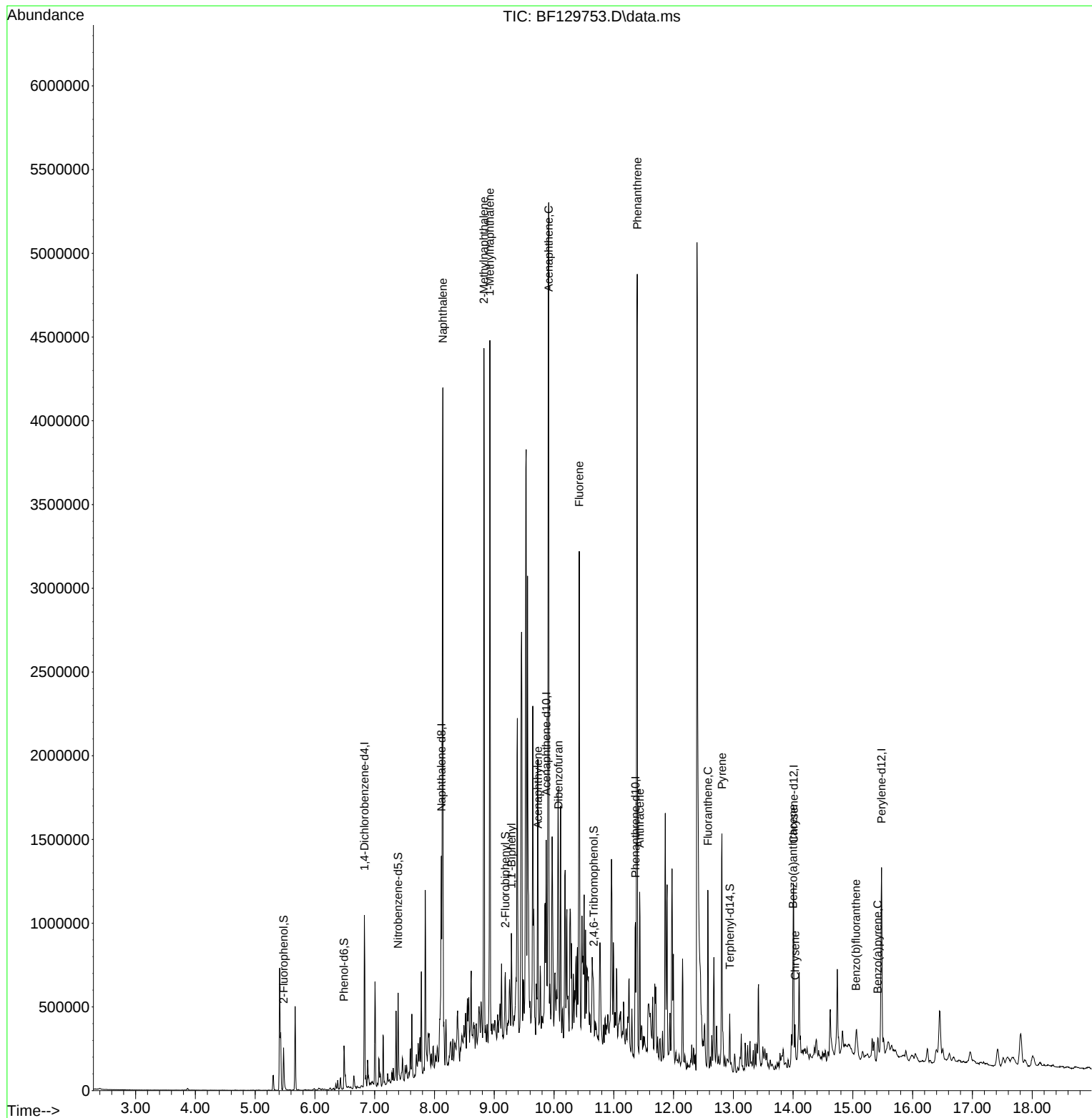
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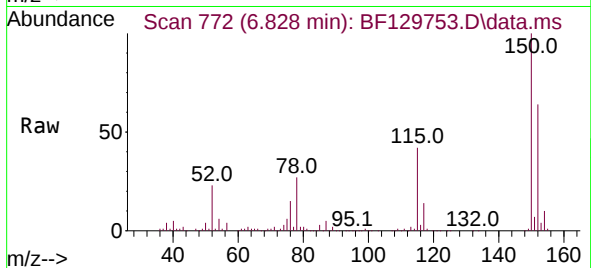
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF129753.D
Acq: 12 Aug 2022 19:57

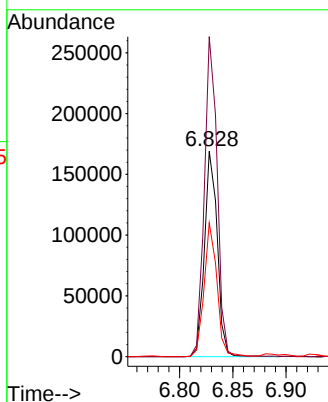
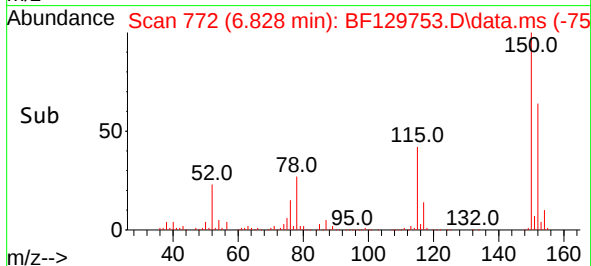
Instrument :
BNA_F
ClientSampleId :
PPE-DRUMS-0808



Tgt Ion:152 Resp: 141058
Ion Ratio Lower Upper
152 100
150 155.8 123.7 185.5
115 65.2 49.9 74.9

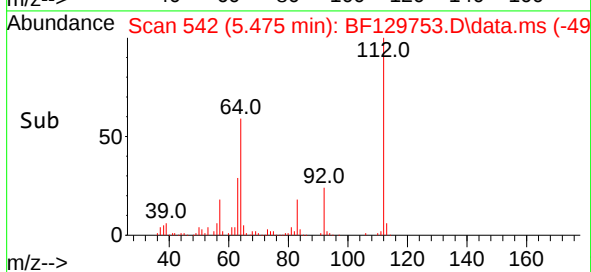
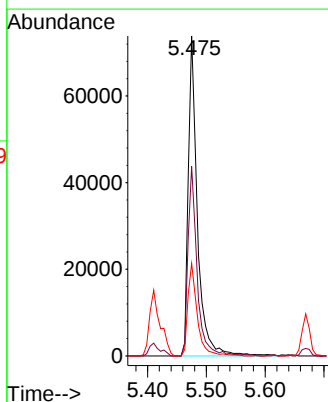
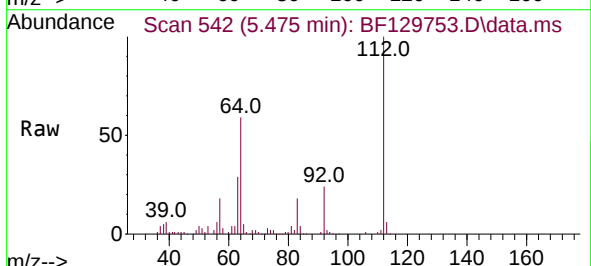
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#5
2-Fluorophenol
Concen: 9.279 ng
RT: 5.475 min Scan# 542
Delta R.T. 0.006 min
Lab File: BF129753.D
Acq: 12 Aug 2022 19:57

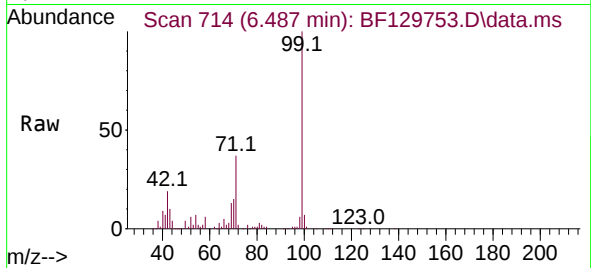
Tgt Ion:112 Resp: 80348
Ion Ratio Lower Upper
112 100
64 59.2 53.3 79.9
63 28.9 28.0 42.0





#7
Phenol-d6
Concen: 8.864 ng
RT: 6.487 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF129753.D
Acq: 12 Aug 2022 19:57

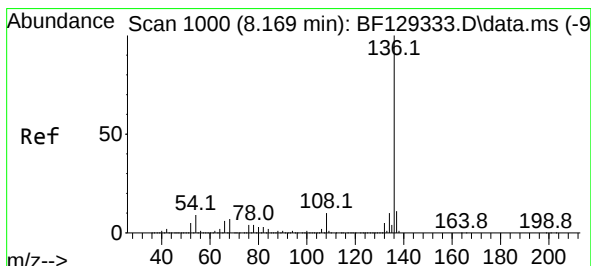
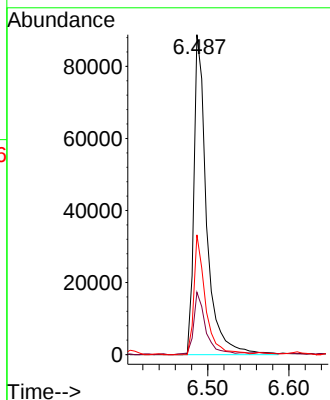
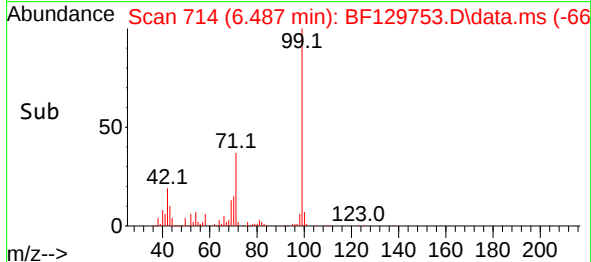
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BNA_F
ClientSampleId :
PPE-DRUMS-0808



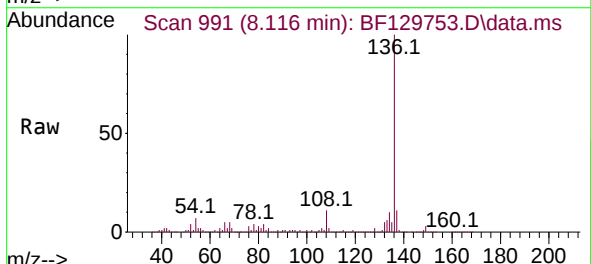
Tgt Ion: 99 Resp: 96475
Ion Ratio Lower Upper
99 100
42 19.5 17.3 25.9
71 37.4 28.9 43.3

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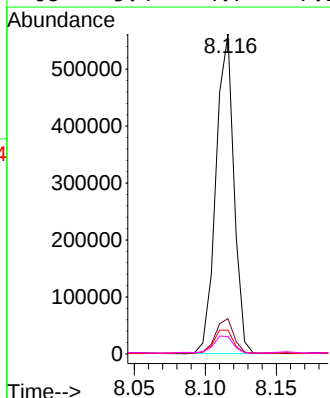
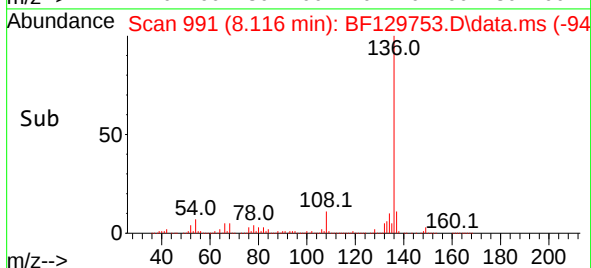
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022

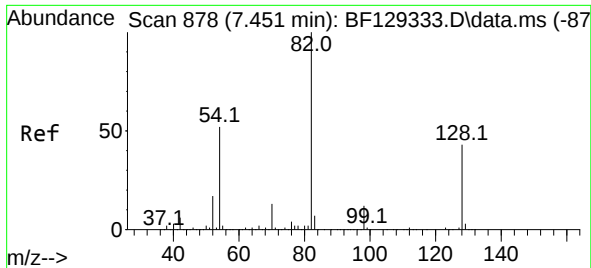


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 991
Delta R.T. 0.000 min
Lab File: BF129753.D
Acq: 12 Aug 2022 19:57



Tgt Ion:136 Resp: 496314
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.4 7.5 11.3#
68 5.4 4.7 7.1





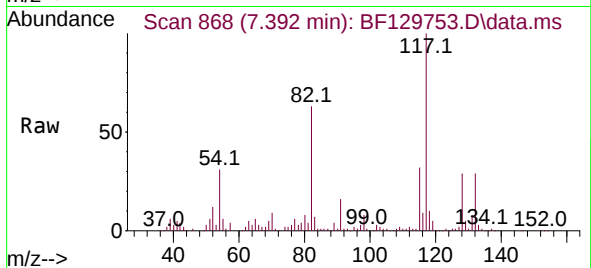
#23
Nitrobenzene-d5
Concen: 6.118 ng
RT: 7.392 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF129753.D
Acq: 12 Aug 2022 19:57

Instrument :

BNA_F

ClientSampleId :

PPE-DRUMS-0808

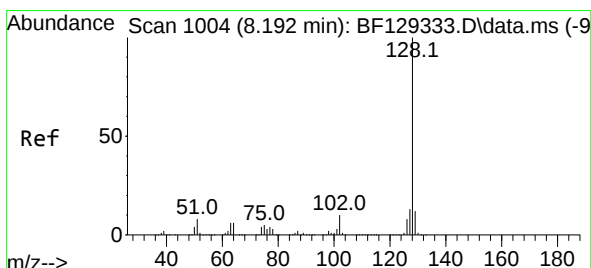
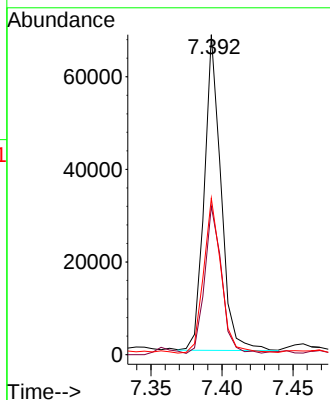
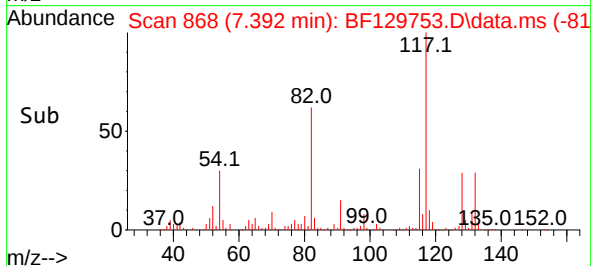


Tgt Ion: 82 Resp: 55623
Ion Ratio Lower Upper
82 100
128 46.4 34.0 51.0
54 48.9 46.9 70.3

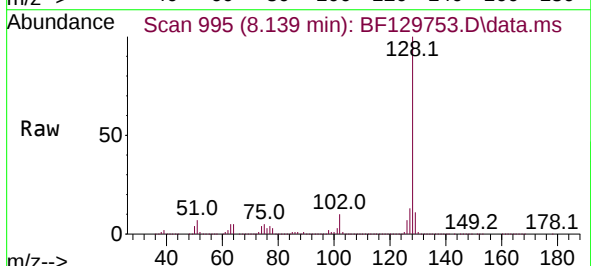
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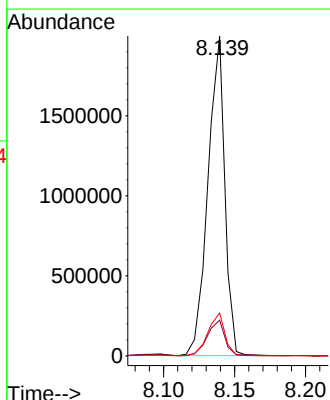
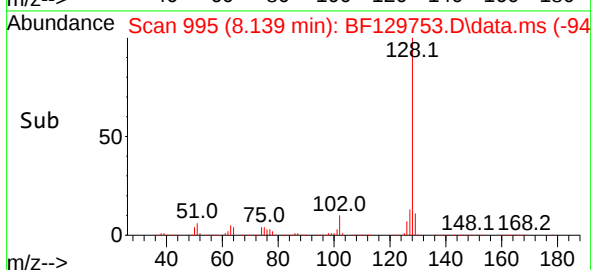
Reviewed By :Jagrut Upadhyay 08/15/2022
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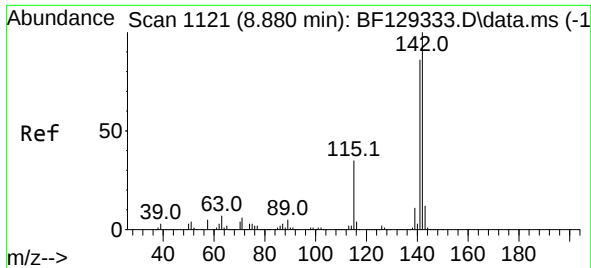


#31
Naphthalene
Concen: 65.338 ng
RT: 8.139 min Scan# 995
Delta R.T. 0.000 min
Lab File: BF129753.D
Acq: 12 Aug 2022 19:57



Tgt Ion:128 Resp: 1647540
Ion Ratio Lower Upper
128 100
129 11.2 9.2 13.8
127 13.4 10.5 15.7





#37

2-Methylnaphthalene

Concen: 67.399 ng

RT: 8.828 min Scan# 1112

Delta R.T. 0.000 min

Lab File: BF129753.D

Acq: 12 Aug 2022 19:57

Instrument :

BNA_F

ClientSampleId :

PPE-DRUMS-0808

Tgt Ion:142 Resp: 110444

Ion Ratio Lower Upper

142 100

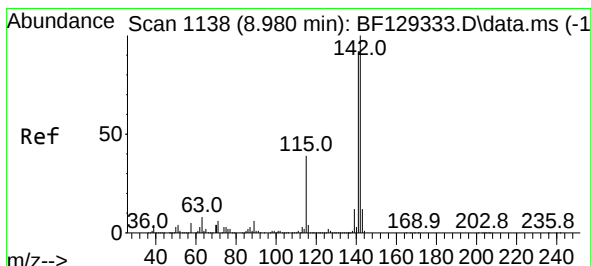
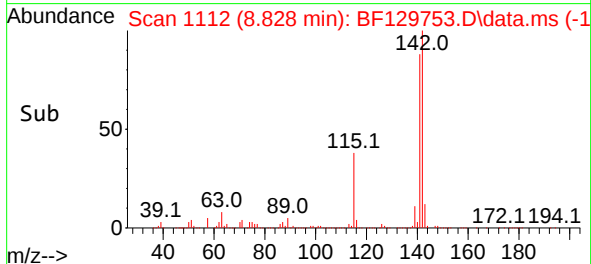
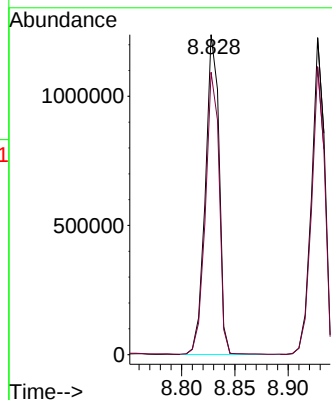
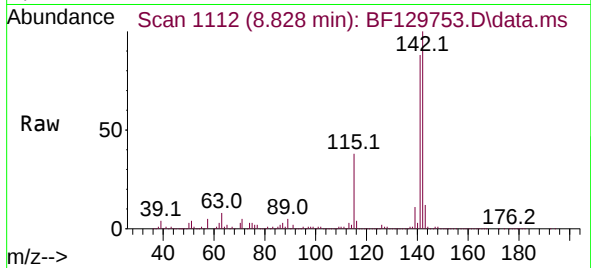
141 88.2 71.0 106.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/15/2022

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#38

1-Methylnaphthalene

Concen: 65.806 ng

RT: 8.928 min Scan# 1129

Delta R.T. 0.000 min

Lab File: BF129753.D

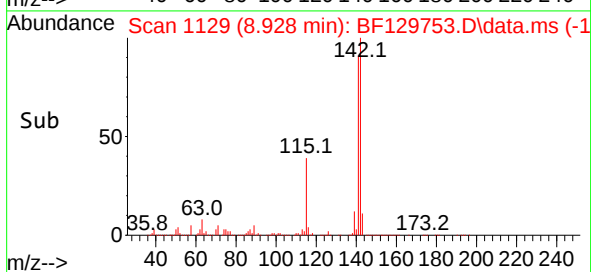
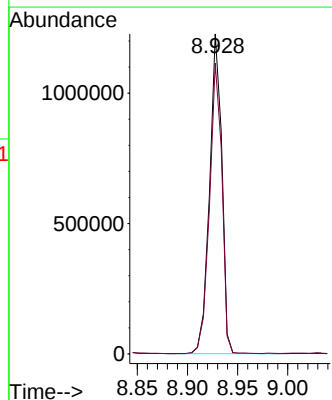
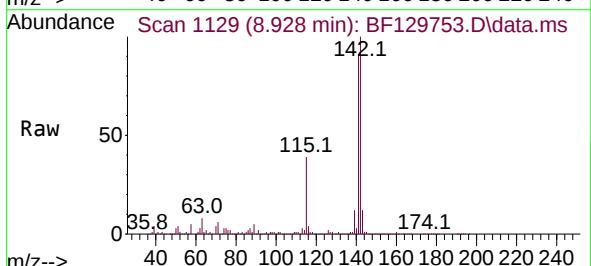
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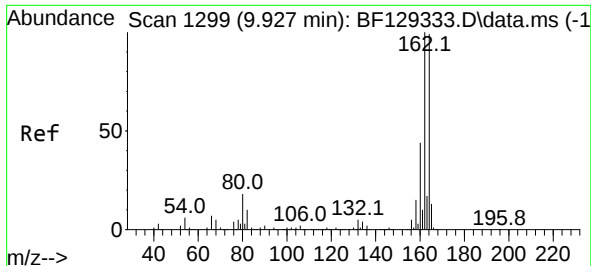
Tgt Ion:142 Resp: 1040973

Ion Ratio Lower Upper

142 100

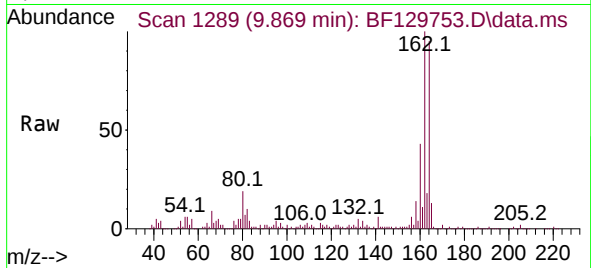
141 90.8 74.2 111.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1299
Delta R.T. 0.000 min
Lab File: BF129753.D
Acq: 12 Aug 2022 19:57

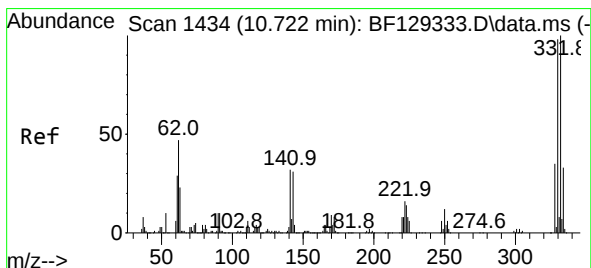
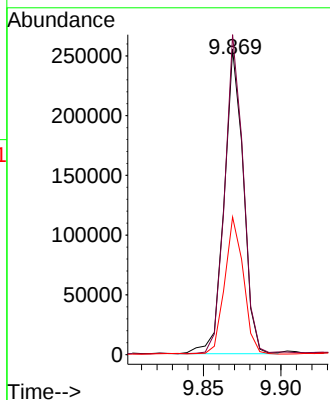
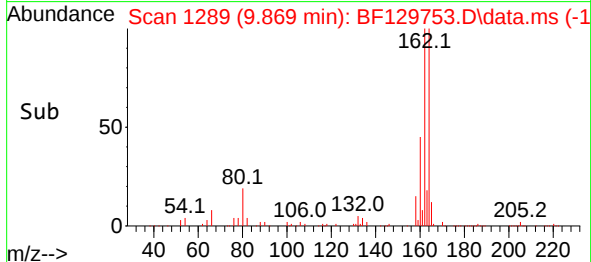
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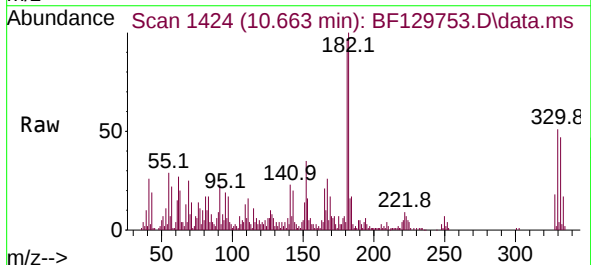
Tgt Ion:164 Resp: 22064
Ion Ratio Lower Upper
164 100
162 104.8 79.5 119.3
160 45.0 34.2 51.4

Manual Integrations
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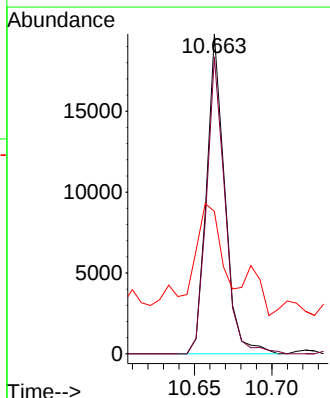
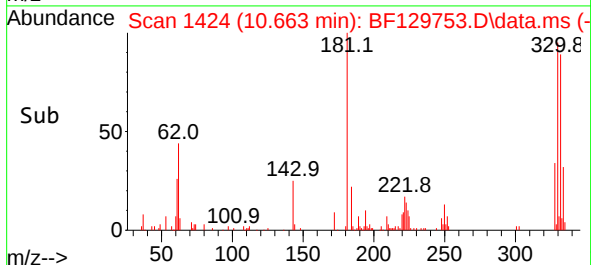
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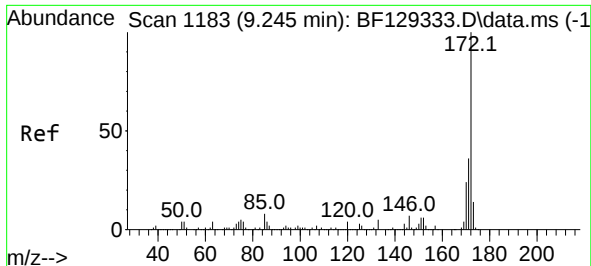


#42
2,4,6-Tribromophenol
Concen: 7.634 ng
RT: 10.663 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF129753.D
Acq: 12 Aug 2022 19:57



Tgt Ion:330 Resp: 16194
Ion Ratio Lower Upper
330 100
332 94.4 76.8 115.2
141 47.5 28.0 42.0#





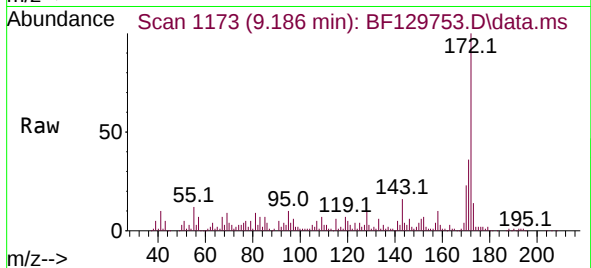
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2-Fluorobiphenyl
Concen: 7.129 ng
RT: 9.186 min Scan# 1183
Delta R.T. -0.006 min
Lab File: BF129753.D
Acq: 12 Aug 2022 19:57

Instrument :

BNA_F

ClientSampleId :

PPE-DRUMS-0808

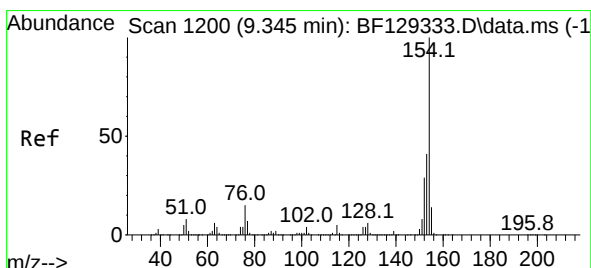
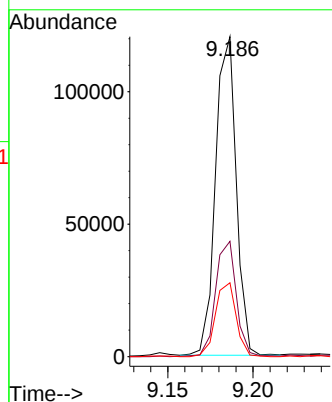
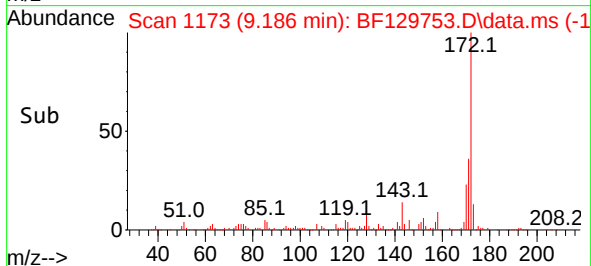


Tgt Ion:172 Resp: 101682
Ion Ratio Lower Upper
172 100
171 36.0 28.8 43.2
170 23.1 19.8 29.8

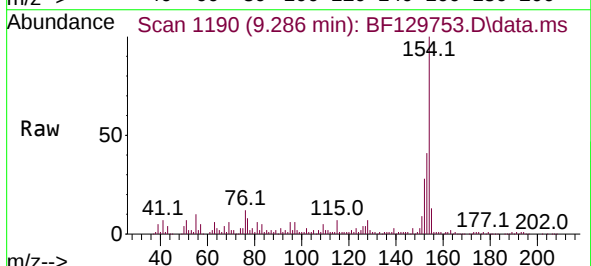
Manual Integrations

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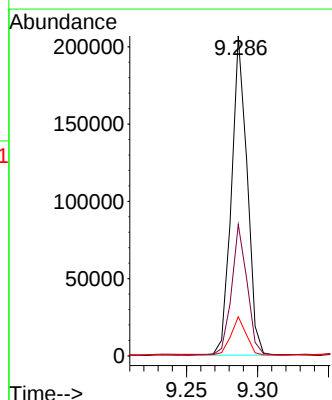
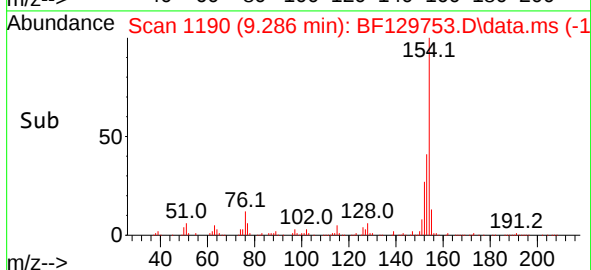
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022

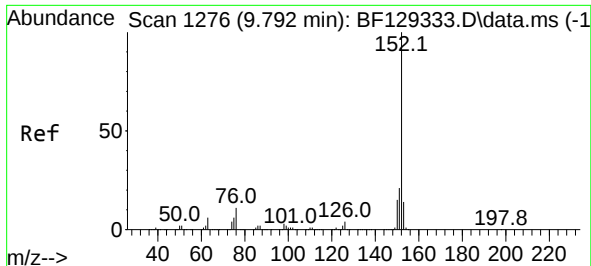


#46
1,1'-Biphenyl
Concen: 9.844 ng
RT: 9.286 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF129753.D
Acq: 12 Aug 2022 19:57



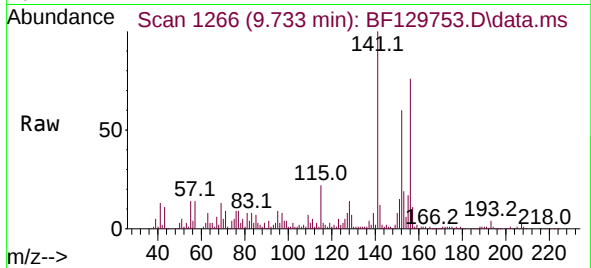
Tgt Ion:154 Resp: 158516
Ion Ratio Lower Upper
154 100
153 41.1 20.6 60.6
76 12.2 0.0 33.3





#49
Acenaphthylene
Concen: 5.450 ng
RT: 9.733 min Scan# 1276
Delta R.T. 0.000 min
Lab File: BF129753.D
Acq: 12 Aug 2022 19:57

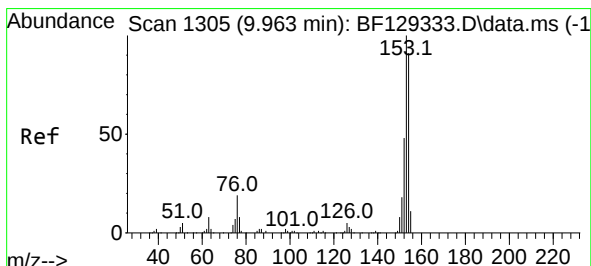
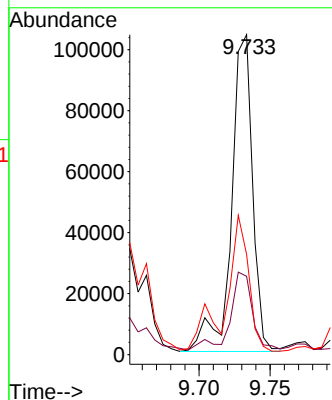
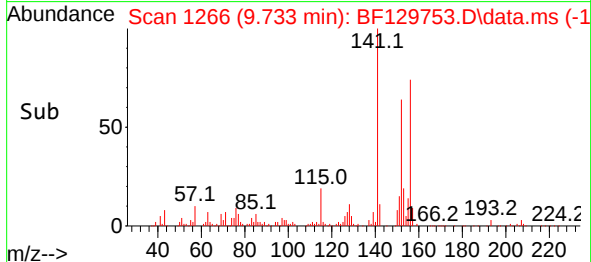
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ClientSampleId :
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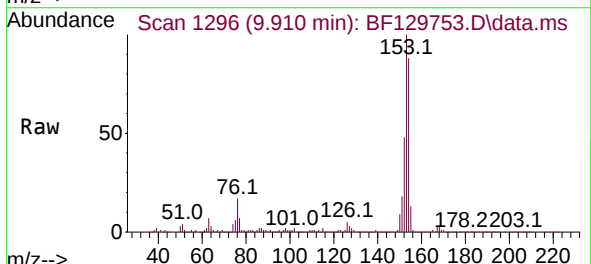
Tgt Ion:152 Resp: 107794
Ion Ratio Lower Upper
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151 24.5 16.2 24.4
153 31.3 10.7 16.1

Manual Integrations
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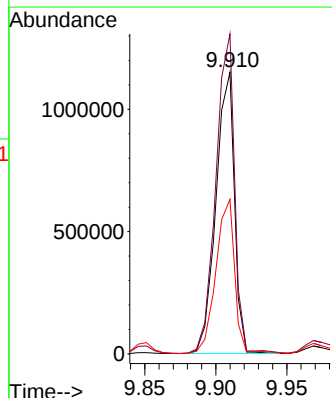
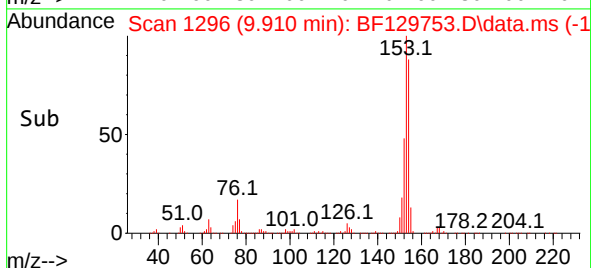
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022

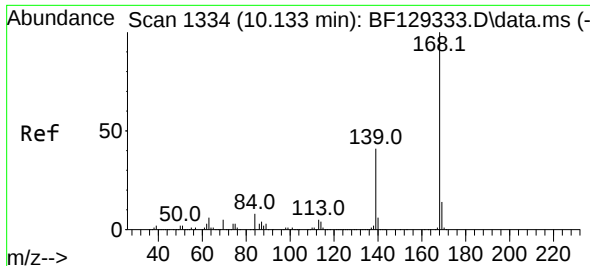


#52
Acenaphthene
Concen: 80.964 ng
RT: 9.910 min Scan# 1296
Delta R.T. 0.006 min
Lab File: BF129753.D
Acq: 12 Aug 2022 19:57



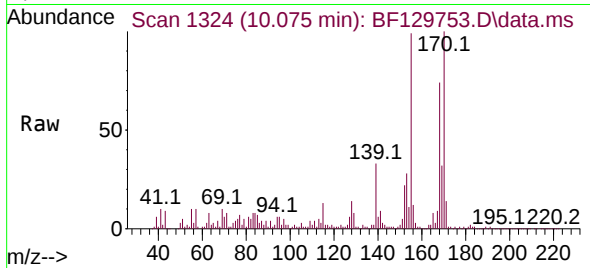
Tgt Ion:154 Resp: 1045989
Ion Ratio Lower Upper
154 100
153 113.6 89.6 134.4
152 54.9 42.4 63.6





#55
Dibenzenofuran
Concen: 5.524 ng
RT: 10.075 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF129753.D
Acq: 12 Aug 2022 19:57

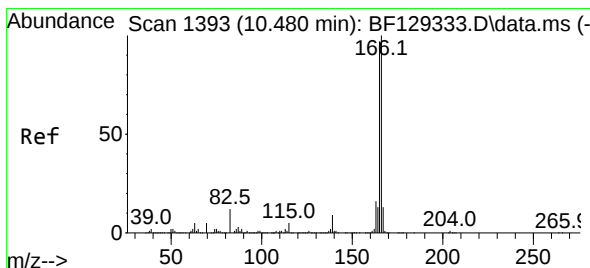
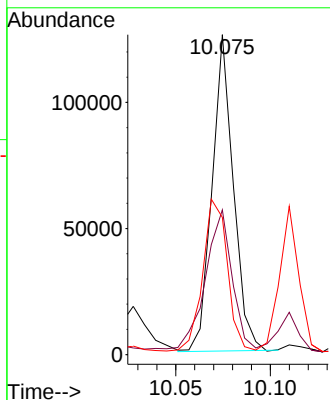
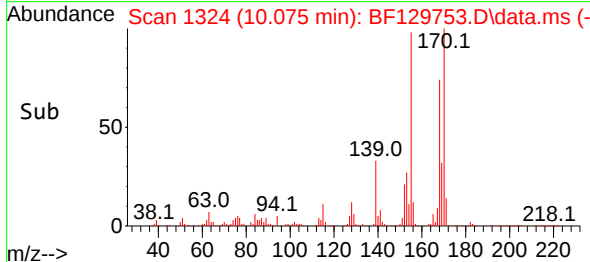
Instrument :
BNA_F
ClientSampleId :
PPE-DRUMS-0808



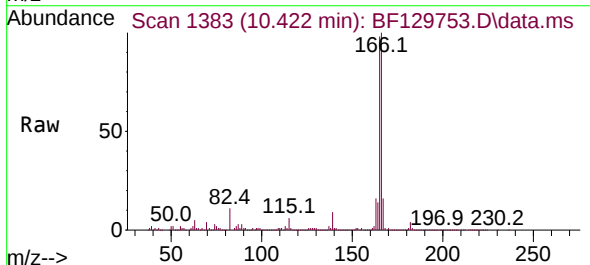
Tgt Ion:168 Resp: 98385
Ion Ratio Lower Upper
168 100
139 45.2 30.6 46.0
169 42.9 11.0 16.6

Manual Integrations
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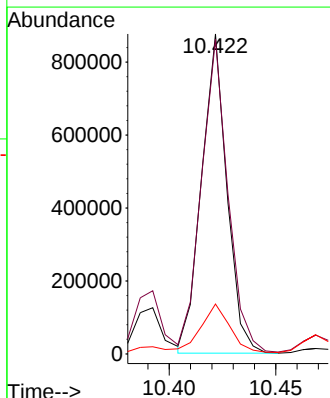
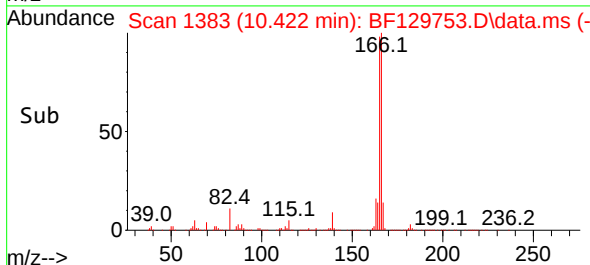
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022

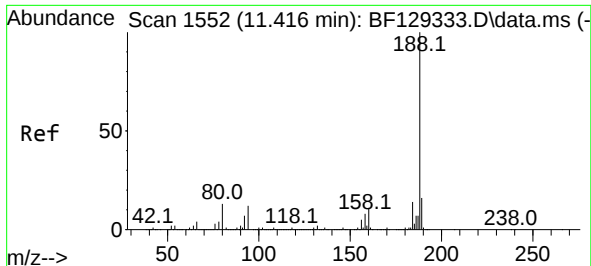


#58
Fluorene
Concen: 50.695 ng
RT: 10.422 min Scan# 1383
Delta R.T. 0.000 min
Lab File: BF129753.D
Acq: 12 Aug 2022 19:57



Tgt Ion:166 Resp: 722386
Ion Ratio Lower Upper
166 100
165 98.4 78.1 117.1
167 15.6 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF129753.D
Acq: 12 Aug 2022 19:57

Instrument :

BNA_F

ClientSampleId :

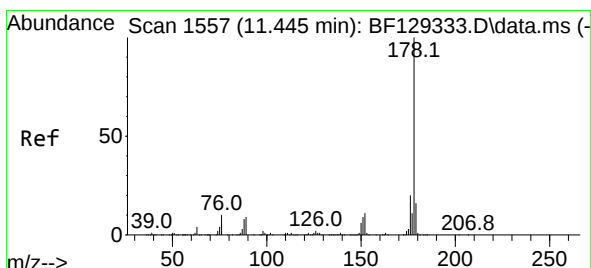
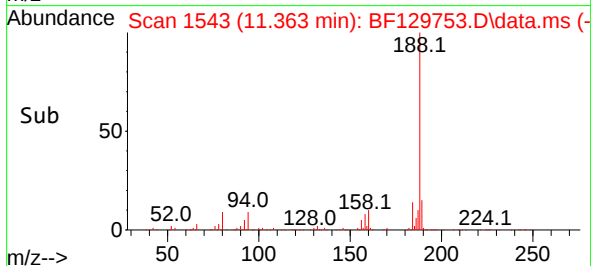
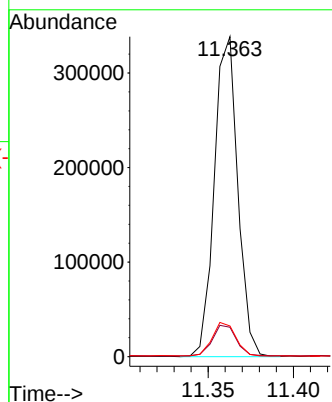
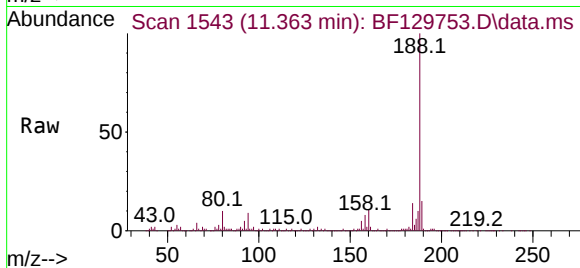
PPE-DRUMS-0808

Tgt Ion:188 Resp: 323913
Ion Ratio Lower Upper
188 100
94 9.2 7.0 10.6
80 9.6 7.6 11.4

Manual Integrations

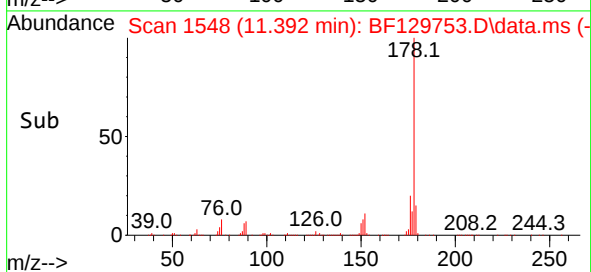
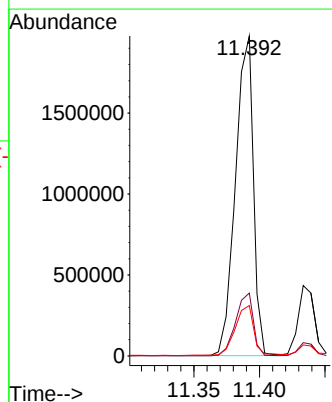
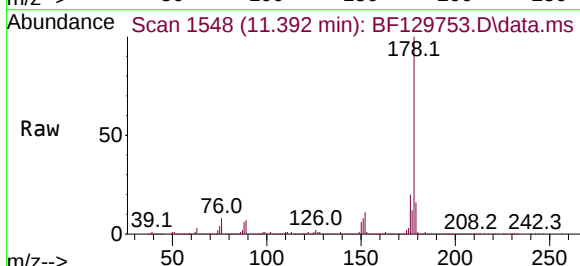
APPROVED

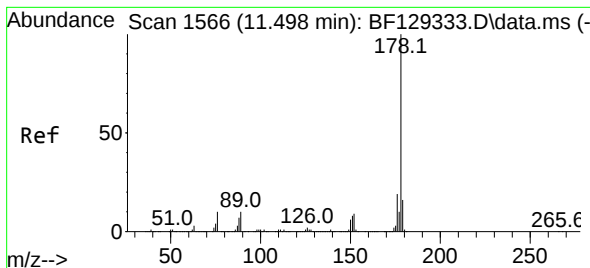
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022



#71
Phenanthrene
Concen: 105.859 ng
RT: 11.392 min Scan# 1548
Delta R.T. 0.006 min
Lab File: BF129753.D
Acq: 12 Aug 2022 19:57

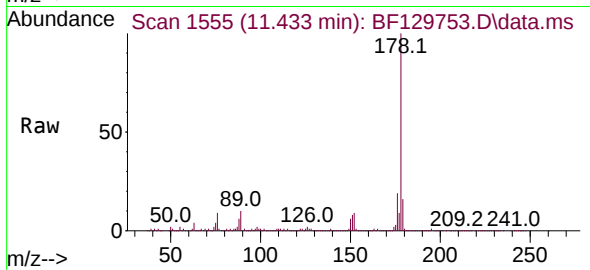
Tgt Ion:178 Resp: 1871744
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.7 12.6 19.0





#72
 Anthracene
 Concen: 21.145 ng
 RT: 11.433 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129753.D
 Acq: 12 Aug 2022 19:57

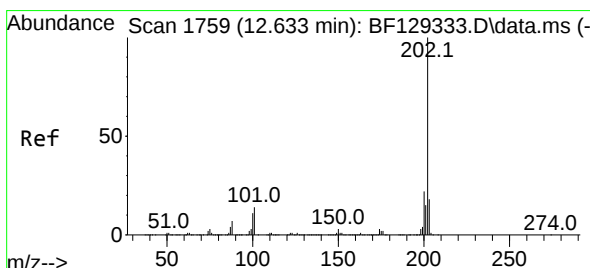
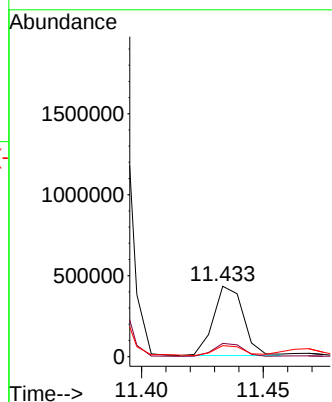
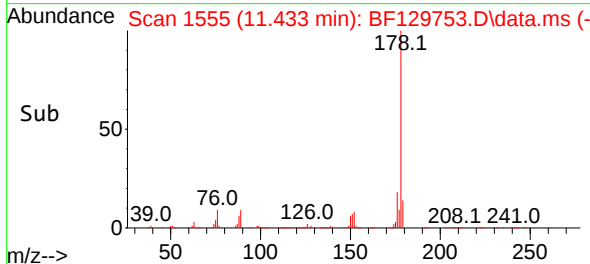
Instrument :
 BNA_F
 ClientSampleId :
 PPE-DRUMS-0808



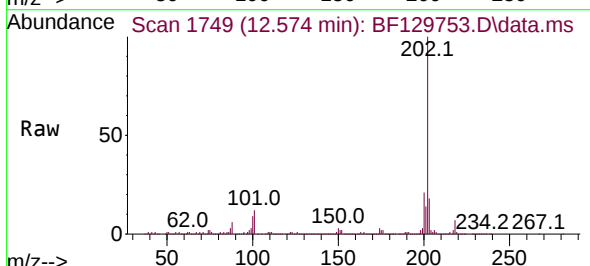
Tgt Ion:178 Resp: 367414
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.2
 179 15.7 12.6 19.0

Manual Integrations
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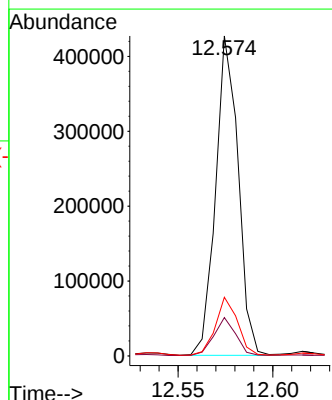
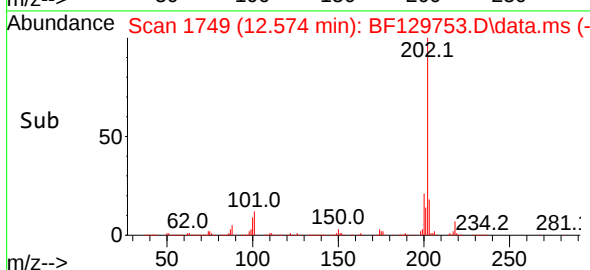
Reviewed By :Jagrut Upadhyay 08/15/2022
 Supervised By :Sohil Jodhani 08/16/2022

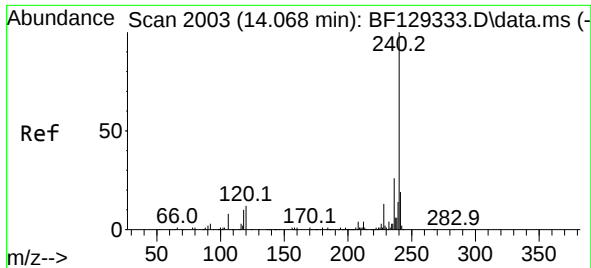


#75
 Fluoranthene
 Concen: 19.680 ng
 RT: 12.574 min Scan# 1749
 Delta R.T. -0.006 min
 Lab File: BF129753.D
 Acq: 12 Aug 2022 19:57



Tgt Ion:202 Resp: 352573
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 31.4
 203 18.3 0.0 38.0





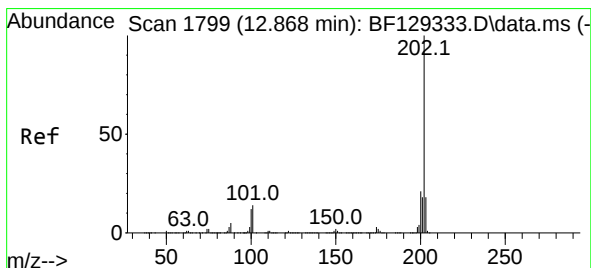
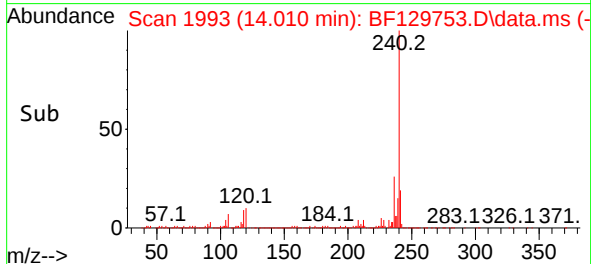
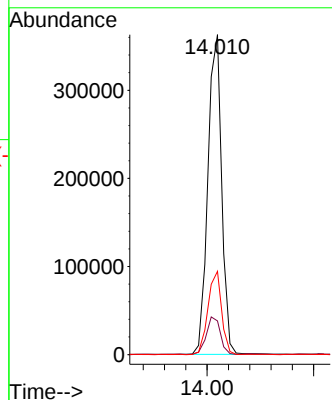
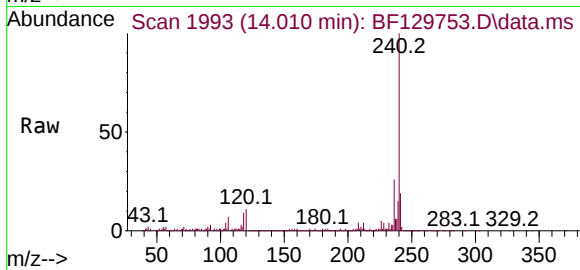
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 1993
Delta R.T. 0.000 min
Lab File: BF129753.D
Acq: 12 Aug 2022 19:57

Instrument :
BNA_F
ClientSampleId :
PPE-DRUMS-0808

Tgt Ion:240 Resp: 325829
Ion Ratio Lower Upper
240 100
120 10.5 8.9 13.3
236 26.0 20.8 31.2

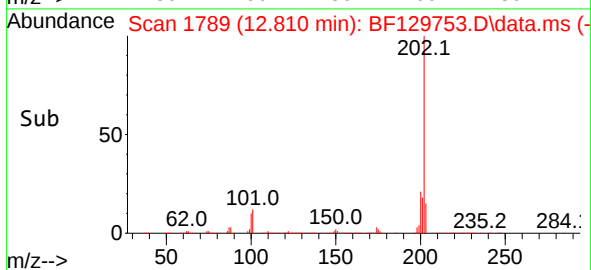
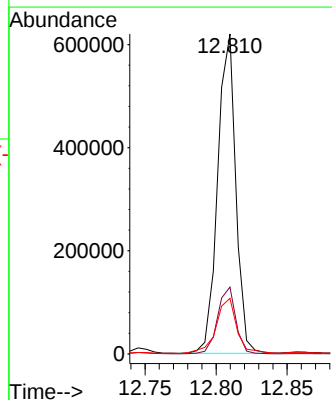
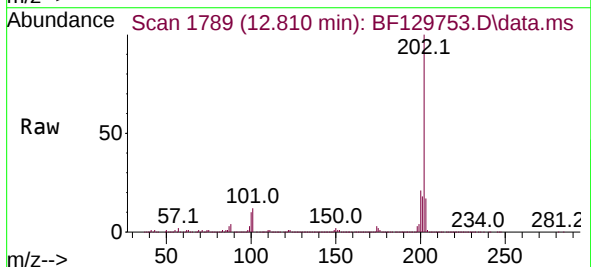
Manual Integrations
APPROVED

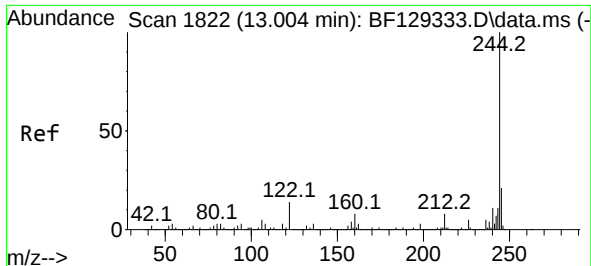
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022



#78
Pyrene
Concen: 20.264 ng
RT: 12.810 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BF129753.D
Acq: 12 Aug 2022 19:57

Tgt Ion:202 Resp: 552118
Ion Ratio Lower Upper
202 100
200 20.9 17.7 26.5
203 17.4 14.6 21.8





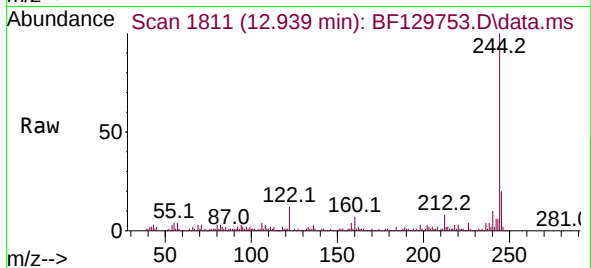
#79
 Terphenyl-d14
 Concen: 5.783 ng
 RT: 12.939 min Scan# 1822
 Delta R.T. -0.006 min
 Lab File: BF129753.D
 Acq: 12 Aug 2022 19:57

Instrument :

BNA_F

ClientSampleId :

PPE-DRUMS-0808

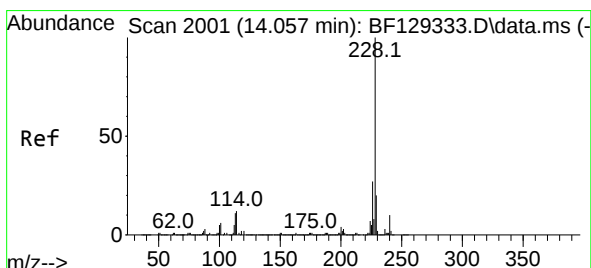
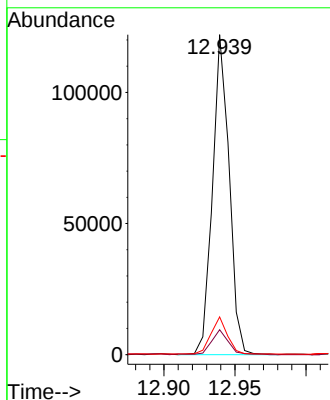
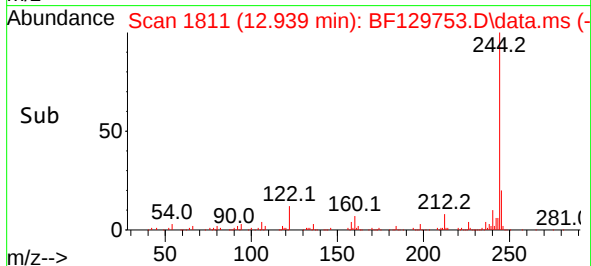


Tgt Ion:244 Resp: 99880
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.1 9.1
 122 11.8 8.8 13.2

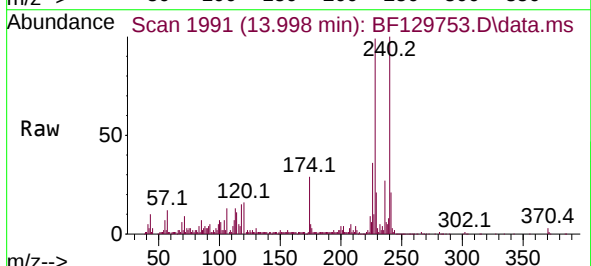
Manual Integrations

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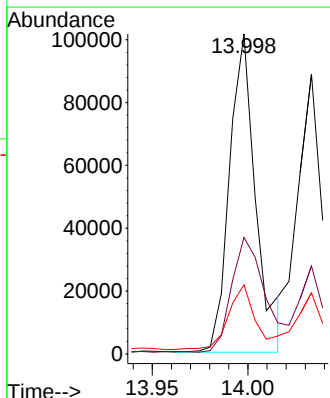
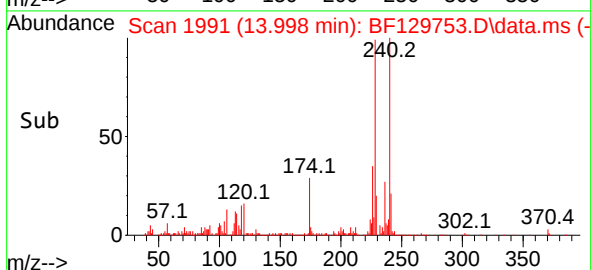
Reviewed By :Jagrut Upadhyay 08/15/2022
 Supervised By :Sohil Jodhani 08/16/2022

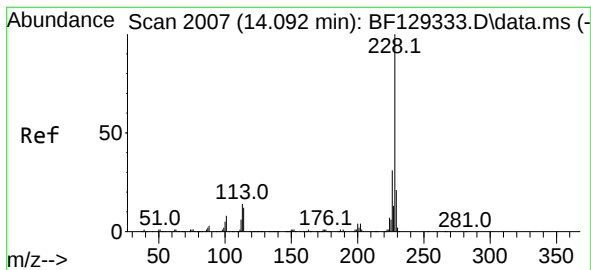


#81
 Benzo(a)anthracene
 Concen: 4.391 ng m
 RT: 13.998 min Scan# 1991
 Delta R.T. 0.000 min
 Lab File: BF129753.D
 Acq: 12 Aug 2022 19:57



Tgt Ion:228 Resp: 97736
 Ion Ratio Lower Upper
 228 100
 226 36.4 22.1 33.1#
 229 21.6 15.8 23.8





#83

Chrysene

Concen: 3.712 ng

RT: 14.033 min Scan# 19

Delta R.T. -0.006 min

Lab File: BF129753.D

Acq: 12 Aug 2022 19:57

Instrument :

BNA_F

ClientSampleId :

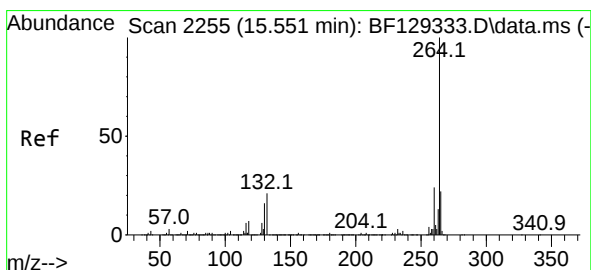
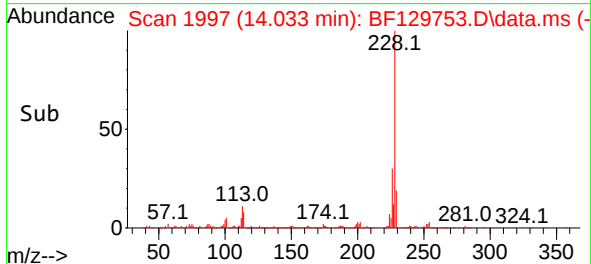
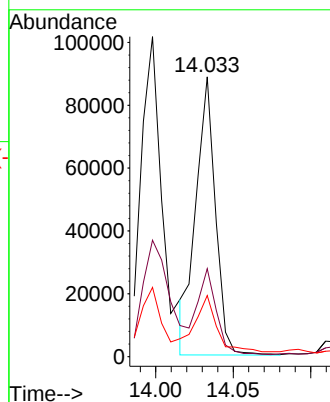
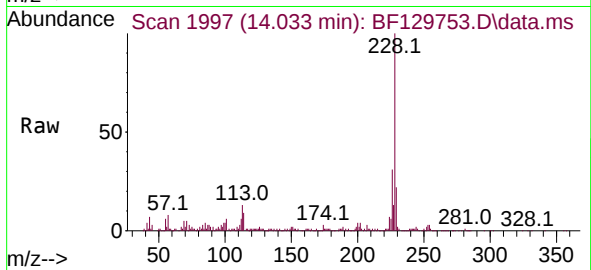
PPE-DRUMS-0808

Tgt Ion:228	Resp:	77859
Ion Ratio	Lower	Upper
228	100	
226	31.4	24.3 36.5
229	21.8	15.9 23.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022



#86

Perylene-d12

Concen: 20.000 ng

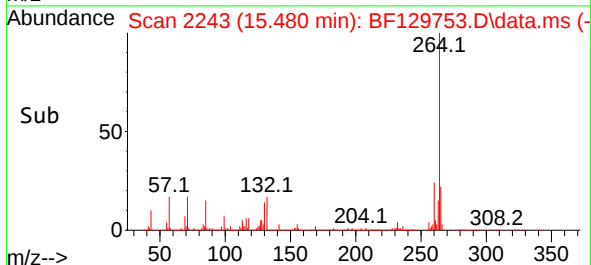
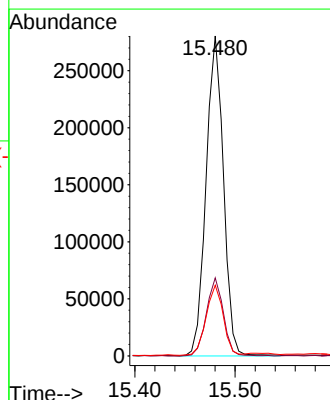
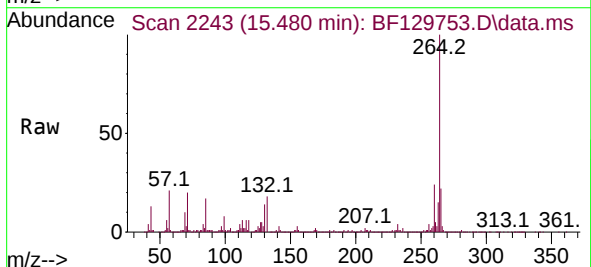
RT: 15.480 min Scan# 2243

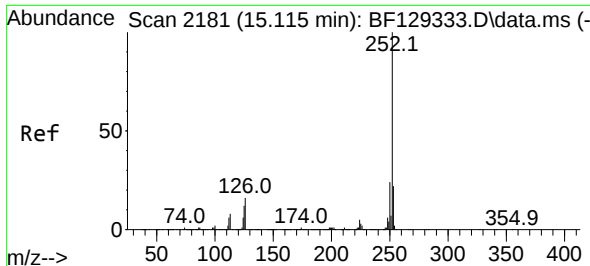
Delta R.T. 0.000 min

Lab File: BF129753.D

Acq: 12 Aug 2022 19:57

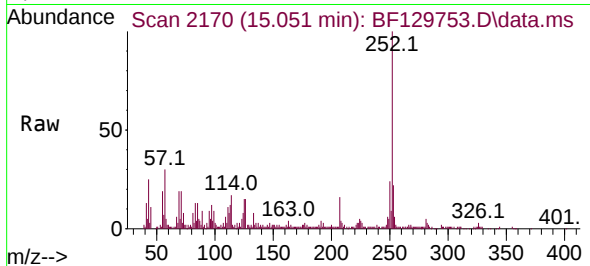
Tgt Ion:264	Resp:	336991
Ion Ratio	Lower	Upper
264	100	
260	24.4	18.4 27.6
265	22.1	17.2 25.8





#88
Benzo(b)fluoranthene
Concen: 2.691 ng m
RT: 15.051 min Scan# 2181
Delta R.T. 0.000 min
Lab File: BF129753.D
Acq: 12 Aug 2022 19:57

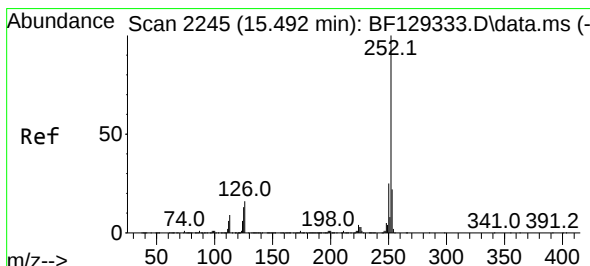
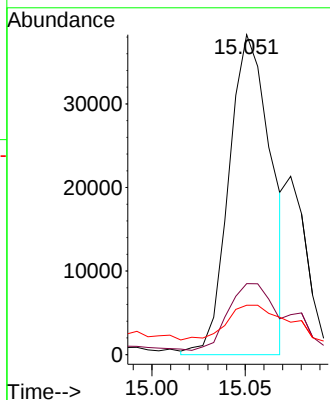
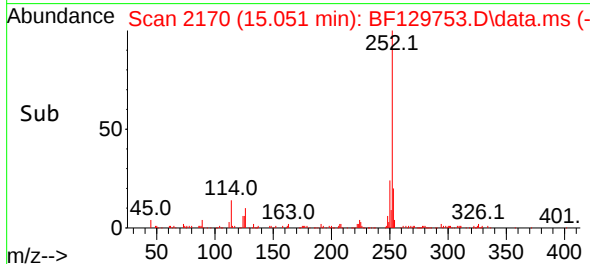
Instrument :
BNA_F
ClientSampleId :
PPE-DRUMS-0808



Tgt Ion:252 Resp: 60146
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 15.4 8.0 12.0

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022



#90
Benzo(a)pyrene
Concen: 3.280 ng
RT: 15.415 min Scan# 2232
Delta R.T. -0.006 min
Lab File: BF129753.D
Acq: 12 Aug 2022 19:57

Tgt Ion:252 Resp: 59522
Ion Ratio Lower Upper
252 100
253 25.5 17.0 25.6
125 15.7 8.8 13.2

